

### **AMENDMENT TO THE DRAWINGS**

The attached sheet(s) of drawings includes changes to Figs. 3, 16, 17, 42, 43, 62, 75, and 79. Also attached are annotated sheets showing the changes made to Figs. 3, 16, 17, 42, 43, 62, 75, and 79.

Attachment: Replacement Sheet(s), eight pages  
Annotated Sheet(s) Showing Changes, eight pages

**REMARKS**

If clarification of the amendment or application is desired, or if issues are present which the Examiner believes may be quickly resolved, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 18-0160, our Order No. SAT-16312.

Respectfully submitted,

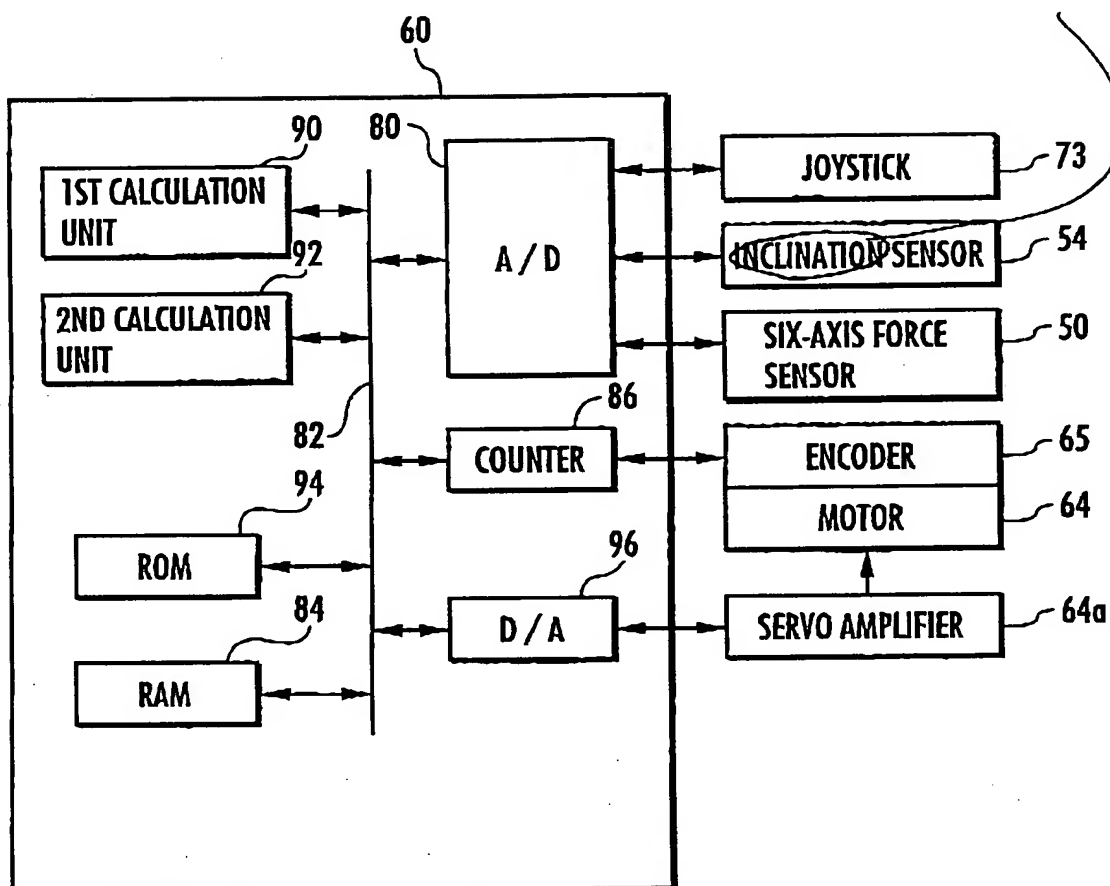
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FIG.3

POSTURE



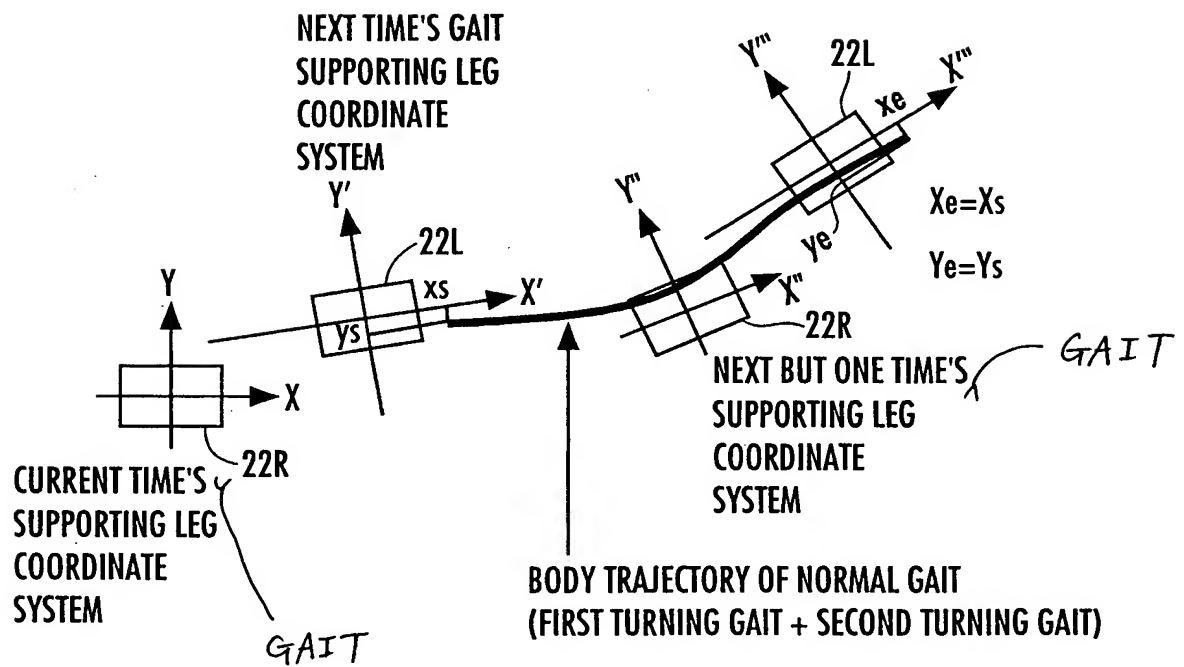
The diagram illustrates the sequence of coordinate systems for a leg during a gait cycle. It shows the transition from the current supporting leg to the next supporting leg and the subsequent turning gait.

**Current Time's Supporting Leg Coordinate System:** The current supporting leg is labeled 22L. The coordinate system is defined by axes  $X$  and  $Y$ . The next supporting leg is labeled 22R. The coordinate system for the next supporting leg is defined by axes  $X_{next}$  and  $Y_{next}$ . The angle between the  $X$  axis and the  $X_{next}$  axis is labeled  $\theta_{znext}$ .

**Next Time's Supporting Leg Coordinate System:** The next supporting leg is labeled 22L. The coordinate system is defined by axes  $X'$  and  $Y'$ . The next supporting leg is labeled 22R. The coordinate system for the next supporting leg is defined by axes  $X'_{next}$  and  $Y'_{next}$ . The angle between the  $X'$  axis and the  $X'_{next}$  axis is labeled  $\theta_{znext}$ .

**Turning Gait:** The diagram shows the sequence of coordinate systems for a leg during a gait cycle, including the current supporting leg, the next supporting leg, and the subsequent turning gait. The sequence is labeled: CURRENT TIME'S SUPPORTING LEG COORDINATE SYSTEM, NEXT TIME'S SUPPORTING LEG COORDINATE SYSTEM, SECOND TURNING GAIT, FIRST TURNING GAIT, NEXT BUT ONE TIME'S SUPPORTING LEG COORDINATE SYSTEM, and NEXT BUT TWO TIME'S SUPPORTING LEG COORDINATE SYSTEM.

FIG.17



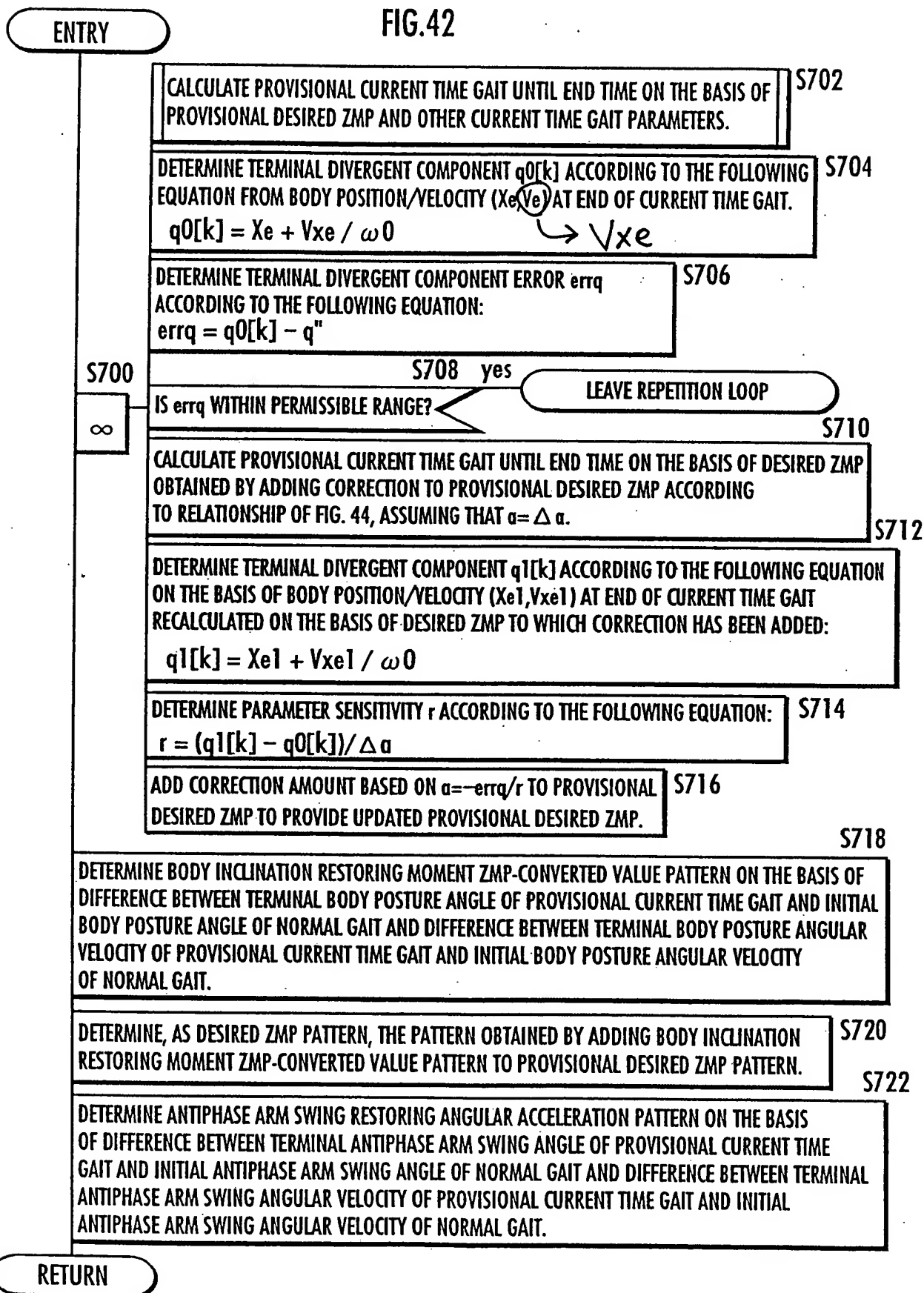


FIG.43

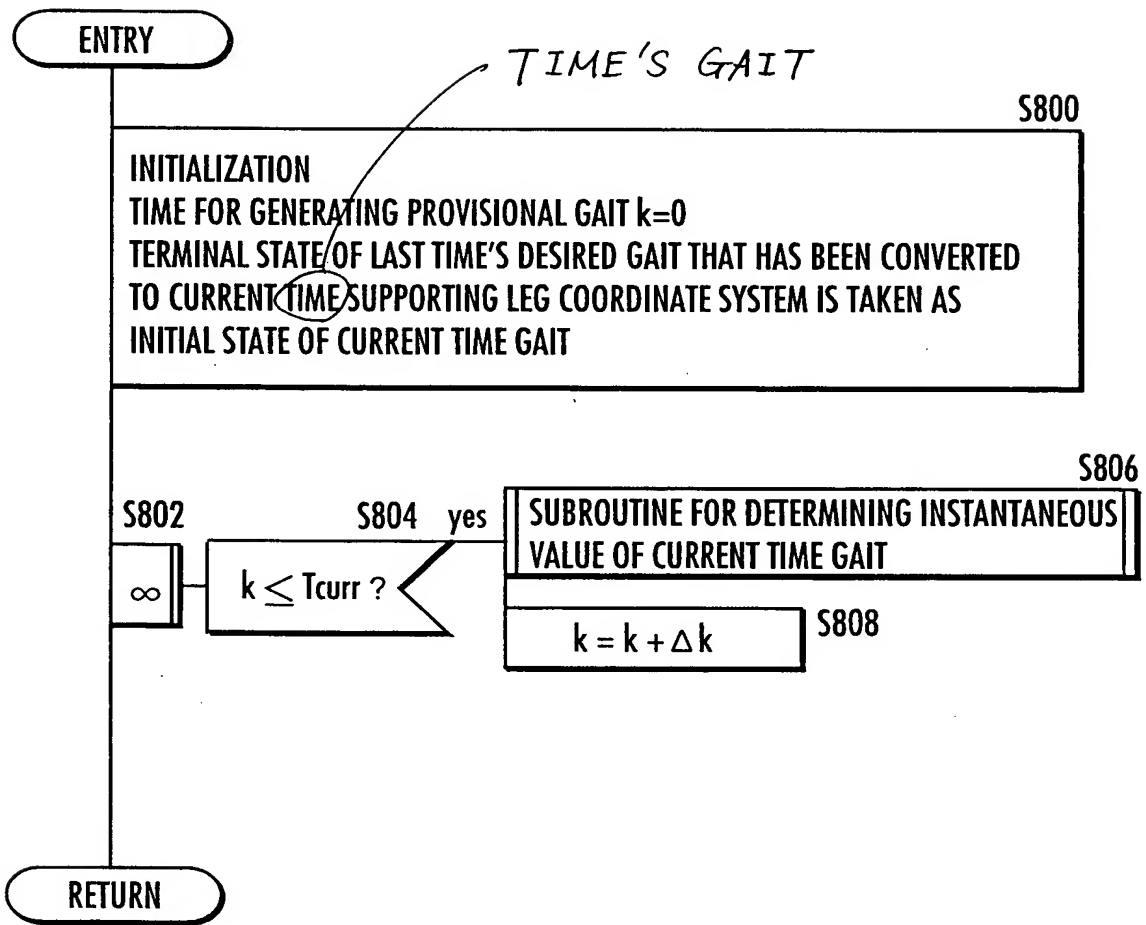
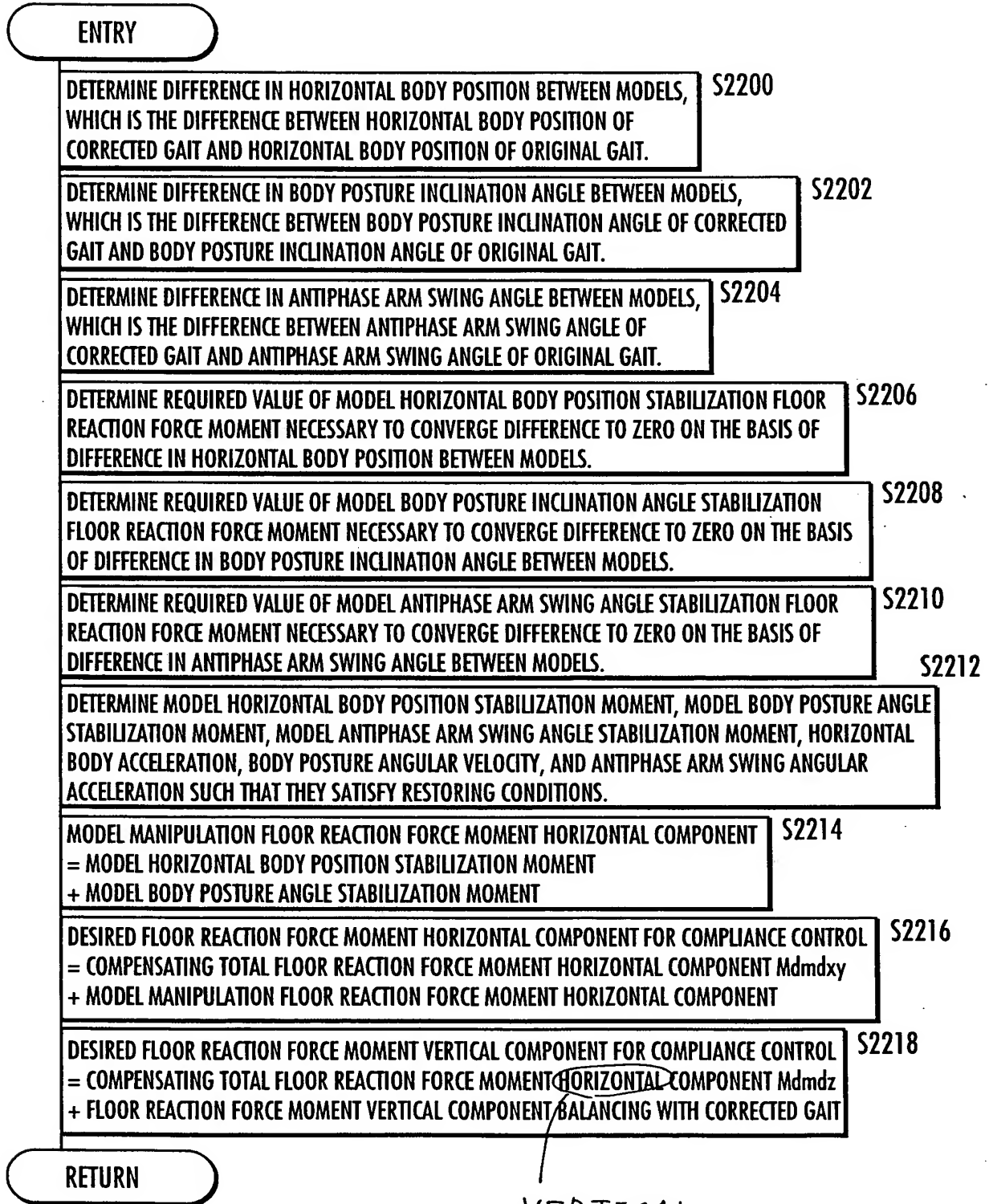


FIG.62





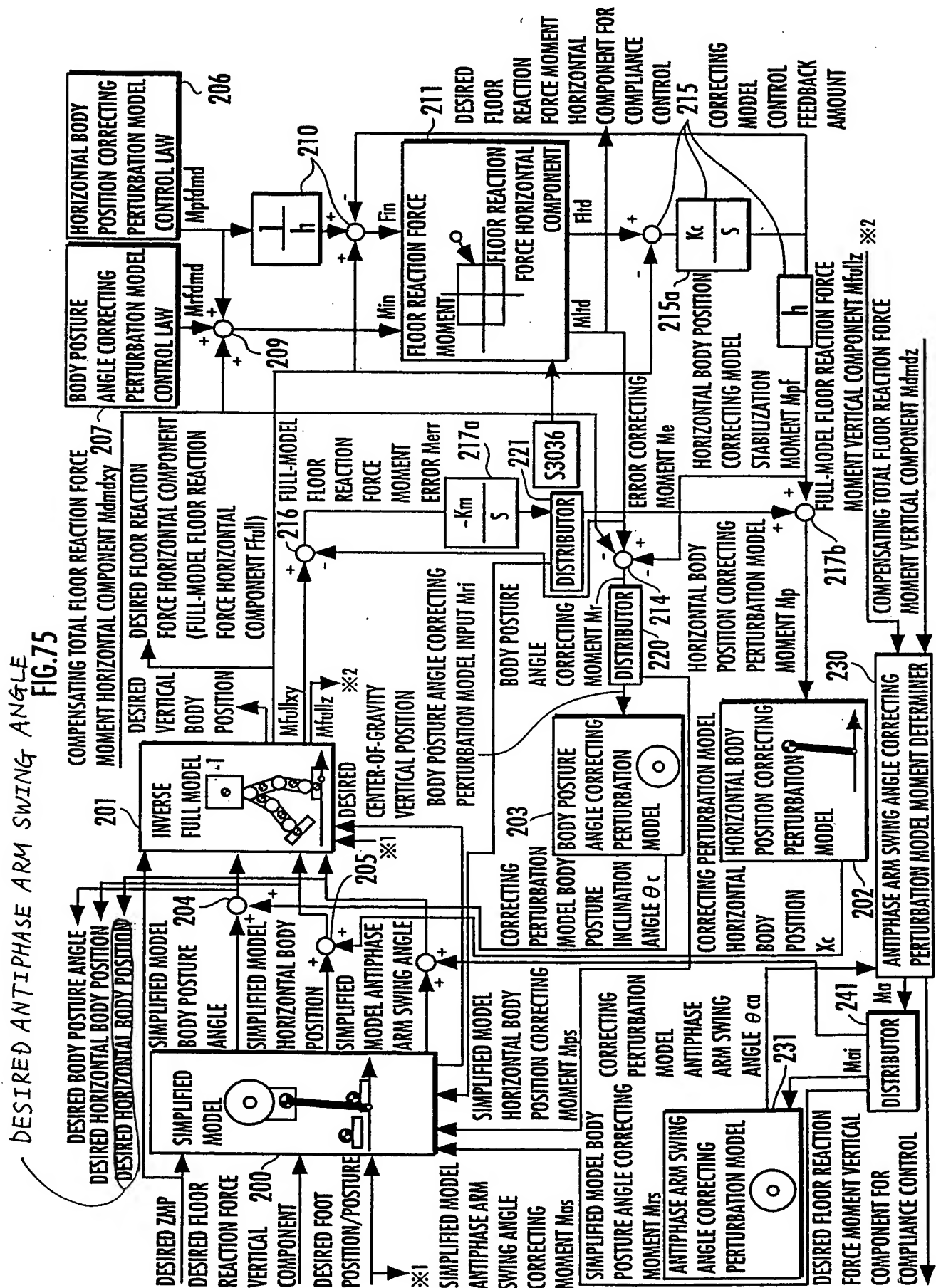


FIG.79

